

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/ /00994

## A. CLASSIFICATION OF SUBJECT MATTER

Rec'd PET/PTO 14 DEC 2004

IPC7: F16L 55/163 // F16L 55/1645

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

10/517932

IPC7: F16L, B05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	NL 8204847 A (BOLIDT MAATSCHAPPIJ TOT EXPLOITATIE VAN KUNSTSTOFFEN EN BOUWWERKEN B V), 2 July 1984 (02.07.84), page 3, line 22 - page 4, line 17	1-18
Y	US 5186215 A (GILLELAND), 16 February 1993 (16.02.93), column 6, line 8 - line 52; column 4, line 36 - line 39; column 1, line 14 - line 18, abstract	1-18
Y	SE 458950 B (KOHICHIRO DOI ET AL), 22 May 1989 (22.05.89), abstract	11

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

11 August 2003

12 -08- 2003

Name and mailing address of the ISA/

Swedish Patent Office

Box 5055, S-102 42 STOCKHOLM

Facsimile No. +46 8 666 02 86

Authorized officer

Tommy Blomberg/EK

Telephone No. +46 8 782 25 00

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/93/00994

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	SE 343357 B (L E E JANSSON), 6 March 1972 (06.03.72), claims 1-2 --	12
Y	SE 504663 C2 (STEN EDSTRÖM), 24 March 1997 (24.03.97), page 4, last paragraph --	13-14
A	US 3960644 A (MCFADDEN), 1 June 1976 (01.06.76), abstract -----	1-18

Form PCT/ISA/210 (continuation of second sheet) (July 1998)

BEST AVAILABLE COPY

**INTERNATIONAL SEARCH REPORT**  
 Information on patent family members

26/07/03

International application No.

PCT/SE 00994

Patent document cited in search report			Publication date	Patent family member(s)	Publication date
NL	8204847	A	02/07/84	NONE	
US	5186215	A	16/02/93	US	5042532 A 27/08/91
SE	458950	B	22/05/89	DE	3504935 A 31/10/85
				JP	1680308 C 13/07/92
				JP	3031960 B 09/05/91
				JP	60172798 A 06/09/85
				SE	8500717 A 18/08/85
SE	343357	B	06/03/72	NONE	
SE	504663	C2	24/03/97	AT	213531 T 15/03/02
				AU	6324796 A 30/01/97
				DE	69619376 D,T. 02/10/02
				DK	835405 T 03/06/02
				EP	0835405 A,B 15/04/98
				SE	9502330 A 29/12/96
				US	5951761 A 14/09/99
				WO	9701724 A 16/01/97
US	3960644	A	01/06/76	NONE	

Form PCT/ISA/210 (patent family annex) (July 1998)

**BEST AVAILABLE COPY**